



PATENT
Customer No. 22,852
Attorney Docket No. 06809.0029-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
Morton M. MOWER) Group Art Unit: 3762
)
Application No.: 10/654,959) Examiner: Holmes, Rex R.
)
Filed: September 5, 2003) Confirmation No.: 7929
)
For: METHOD AND APPARATUS FOR)
PROVIDING IPSELATERAL)
THERAPY)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97(c)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(c), Applicant brings to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed after the events recited in Section 1.97(b) but, to the undersigned's knowledge, before the mailing date of either a Final action, Quayle action, or a Notice of Allowance. Under the provisions of 37 C.F.R. § 1.97(c), this Information Disclosure Statement is accompanied by a fee of \$180.00 as specified by Section 1.17(p). This IDS supplements the IDSs filed on March 5, 2004, April 11, 2006, and June 20, 2006.

11/09/2006 SZEWDIE1 00000003 10654959

Copies of the listed foreign and non-patent literature documents are attached. Applicant respectfully requests that the Examiner consider the listed documents and indicate their consideration by making appropriate notation on the attached PTO/SB/08 form.

The relevance of two non-English language documents, CASTELLANOS, A, et al “Evaluacion Clinica De Los Marcapasos Implantados,” (“Castellanos”), and DE TERESA, E., Grandes Temas de la Medicina: Marcapasos, Nueva Lente (“De Teresa”), is set forth below.

Castellanos generally discloses “Clinical Evaluation of Implantable Pacemakers,” and De Teresa generally discloses “Important Themes in Medicine: Pacemakers.”

Applicant points out that he is also submitting full or partial English-language translations of the non-English language documents “D’AIOTOLO et al., “Tratamiento De Las Arritmias Cardiacas,” Buenos Aires (1968) (in Spanish). pp. 1-112” and “SILVA, “Influencia de la Localizacion de la Estimulacion Electrica Ventricular Sobre la Eficiencia Cardiaca. Estudio Experimental Y Clinico,” Tesis Doctoral para la Universidad Autonoma De Madrid Facultad de Medicina (1987), pp. 1-150 (Doctoral Thesis, in Spanish),” which were originally submitted with the IDS filed for this application on April 11, 2006.

Applicant also encloses a copy of a Communication received from the European Patent Office in European application no. 04755341.7 on July 17, 2006, citing documents US 4,712,555, WO 86/05698, EP 0 494 487, EP 0 726 082, and EP 1 249 254. That communication, as well as the cited documents, are also listed on the PTO/SB/08.

Applicant notes that the Examiner crossed out several references listed on the PTO/SB/08 form corresponding to the IDS filed on April 11, 2006 and returned it with the September 27, 2006 Office Action for this application. The Examiner indicated that documents “fail[ed] to comply with 37 C.F.R. 1.98(a)(2), which requires a legible copy of each cited foreign patent document; each non-patent literature publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed.” Applicant therefore resubmits copies of the references the Examiner crossed out, and notes that these are the best available copies Applicant’s representative was able to obtain.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies any or all of the documents as prior art against any claim in the application and Applicant determines that the cited documents do not constitute "prior art" under United States law, Applicant reserves the right to present the relevant facts and law to the Office regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any or all of the documents be applied against the claims of the present application.

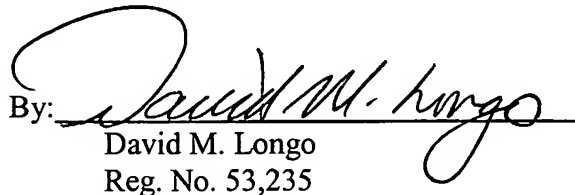
If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: November 8, 2006

By:


David M. Longo
Reg. No. 53,235

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

9

Complete if Known

Application Number	10/654,959
Filing Date	September 5, 2003
First Named Inventor	Morton M. Mower
Art Unit	3762
Examiner Name	Holmes, Rex R.
Attorney Docket Number	06809.0029-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No.	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		US-4,559,946	12/24/1985	Mower	
		US-4,641,656	02/10/1987	Smits	
		US-4,386,610	6/7/1983	Leckrone	
		US-4,958,632	9/25/1990	Duggan	
		US-4,998,975	03/12/1991	Cohen et al.	
		US-5,165,403	11/24/1992	Mehra	
		US-5,174,289	12/29/1992	Cohen	
		US-5,385,579	01/31/1995	Helland	
		US-5,403,356	04/04/1995	Hill et al.	
		US-5,551,427	09/03/1996	Altman	
		US-5,755,766	5/26/98	Chastain et al.	
		US-5,800,464	09/01/1998	Kieval	
		US-5,800,465	09/01/1998	Thompson et al.	
		US-5,935,160	8/10/1999	Auricchio et al.	
		US-4,712,555	12/15/1987	Thornander et al.	
		US-4,628,934	12/16/1986	Pohndorf et al.	
		US-6,937,895	8/30/2005	Lu	
		US-5,318,593	6/7/1994	Duggan	
		US-4,561,442	12/31/1985	Vollmann et al.	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
		Country Code Number Kind Code (if known)				
		EP 0 494 487 A2	01/31/1996	Chirife		
		EP 0 726 082 A2	08/14/1996	Pacesetter, Inc.		
		EP 1 249 254 A2	10/16/2002	Pacesetter, Inc.		
		WO 86/05698	10/09/1986	Pacesetter Systems, Inc.		Yes

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/654,959	
			Filing Date	September 5, 2003	
			First Named Inventor	Morton M. Mower	
			Art Unit	3762	
			Examiner Name	Holmes, Rex R.	
Sheet	2	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation	
		ABRAHAM, WT, et al., "Cardiac Resynchronization in Chronic Heart Failure," <i>N. Engl. J. Med.</i> , Vol. 346, No. 24, 2002, pp. 1845-53.		
		Picture of Biventricular Pacer manufactured by American Optical Co., American Optical Corp., Research Division, Biventricular Pacer Device, 1975.		
		ANAGNOSTOPOULOS, CE, et al., "Transvenous Coronary Sinus Pacemaker: A New Primary Approach to Heart Block in Patients with Tricuspid Prostheses," <i>The Annals of Thoracic Surgery</i> , Vol. 9, No. 3, March 1970, pp. 248-52.		
		AURRICHIO A, et al, "Effect of Pacing Chamber and Atrioventricular Delay on Acute Systolic Function of Paced Patients With Congestive Heart Failure," <i>Circulation</i> , Vol. 99, No. 23, June 1999, pp. 2993-3001.		
		AURRICHIO A, et al., "Long-Term Clinical Effect of Hemodynamically Optimized Cardiac Resynchronization Therapy in Patients With Heart Failure and Ventricular Conduction Delay," <i>J. Am. Coll. Cardiol.</i> , Vol. 39, No. 12, 2002, pp. 2026-33.		
		BAKKER et al., "Biventricular Pacing in Congestive Heart Failure," <i>Clinical Research</i> , vol. 42, no. 2., April 1994, p. 327A.		
		BEFELER, B, et al., "Cardiovascular Dynamics During Coronary Sinus, Right Atrial, and Right Ventricular Pacing," <i>Am. Heart J.</i> , Vol. 81, No. 3, March 1971, pp. 372-80.		
		BENDITT, DG et al., "Sensor-Triggered Rate-Variable Cardiac Pacing: Current Technologies and Clinical Implications," <i>Annals of Internal Med.</i> , Vol. 107, No. 5, Nov. 1987, pp. 714-24.		
		BERKOVITS, B, et al., "Bifocal Demand Pacing," <i>Singapore Med. J.</i> , Vol. 14, No. 3, September 1973, pp. 316-19.		
		BERKOVITS, B, "Demand Pacing," <i>Annals of New York Academy of Sciences</i> , Vol. 167, Art. 2, October 1969, pp. 891-95.		
		BERKOVITS, B, et al., "Future Generation Pacemakers," <i>Pacemaker Therapy</i> , L. Dreifus ed., 1983, pp. 265-76.		
		BLANC JJ, et al., "Recurrent Supraventricular Tachycardia: The Efficacy of a Radio Frequency System Inserted into the Coronary Sinus," <i>Archives des Maladies du Coeur et des Vaisseaux</i> , 1978, 71:687-90.	English-language summary on page 690.	
		BLANC JJ, et al., "Evaluation of Different Ventricular Pacing Sites in Patients With Severe Heart Failure: Results of an Acute Hemodynamic Study," <i>Circulation</i> , Vol. 96, No. 10, Nov. 1997, pp. 3273-77.		

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/654,959
				Filing Date	September 5, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Holmes, Rex R.
Sheet	3	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		BLANC JJ, et al., "A Method for Permanent Transvenous Left Ventricular Pacing," <i>PACE</i> , Vol. 21, Nov. 1998, pp. 2021-24.	
		BOGNOLO, DA, "Recent Advances in Permanent Pacemaker Implantation Techniques," <i>Modern Cardiac Pacing</i> , Barold SS, ed., Futura Publishing Co., 1985, pp. 199-229.	
		BRISTOW MR, et al., "Cardiac-Resynchronization Therapy With or Without an Implantable Defibrillator in Advanced Chronic Heart Failure," <i>N. Engl. J. Med.</i> , Vol. 350, 2004, 2140-50.	
		BURKOFF, D, et al., "Influence of Pacing Site on Canine Left Ventricular Contraction," <i>Am. J. Physiol. (Heart Circ. Physiol.)</i> , 1986:20:H428-H435.	
		CASTELLANOS, A, et al., "Atrial Demand and AV Sequential Pacemakers," <i>Pacemaker Therapy</i> , L. Dreifus, ed., 1983, pp. 149-64.	
		CASTELLANOS, A, et al., "Cardiac Pacemakers," <i>Cardiac Surgery 2</i> , Vol. 3, No. 2, D. Harken, ed., 1971, pp. 32-44.	
		CASTELLANOS, A, et al., "Effects of Pacemaker Impulses on Latent Arrhythmias Produced by Intramyocardial Chemical Stimulation," <i>Cardiologia</i> , Vol. 51, No. 6, 1967, pp. 340-48.	
		CASTELLANOS, A, et al., "An Electrical Digitalis Tolerance Test," <i>Am. J. of Medical Sciences</i> , November 1967, pp. 159-68.	
		CASTELLANOS, A, et al., "The Electrocardiogram and Vectorcardiogram of Ectopic Ventricular Beats," <i>Acta Cardiologica</i> , Vol. 28, No. 6, 1973, pp. 562-75.	
		CASTELLANOS, A, et al., "Electronic Pacemaker Models of Parasystole: With Special Reference to Artificial Intermittent Parasystole With Phase 3 and Phase 4 Protection and to Parasystolic Modulation," <i>PACE</i> , Vol. 5, No. 4, July 1982, pp. 537-545.	
		CASTELLANOS, A, et al., "Evaluacion Clinica De Los Marcapasos Implantados," <i>Boletin de la Asociacion Medica de Puerto Rico</i> , Vol. 73, No. 12, Dec. 1981, pp. 644-53.	No
		CASTELLANOS, A, et al., "His Bundle Recordings in Atrioventricular Nodal Alternating Wenckebach Periods Ending in 5:1 Atrioventricular Block Coexisting with Paroxysmal Atrioventricular Nodal Block," <i>CHEST</i> , Vol. 74, No. 3, September 1978, pp. 274-79.	
		CASTELLANOS, A, et al., "Implantable Demand Pacemaker," <i>Brit. Heart J.</i> , Vol. 30, 1968, pp. 29-33.	
		CASTELLANOS, A, et al., "Implantable Pacemakers for Cardiac Tachyarrhythmias," <i>Cardiac Arrhythmias: Mechanisms and Management</i> , A. Castellanos, ed., 1980, pp. 159-73.	
		CASTELLANOS, A, et al., "A New Instrument for Automatic Monitoring and Tape Recording in Infants and Children," <i>Boletin de la Asociacion Medica de Puerto Rico</i> , Vol. 58, No. 7, July 1966, pp. 355-59.	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/654,959	
			Filing Date	September 5, 2003	
			First Named Inventor	Morton M. Mower	
			Art Unit	3762	
			Examiner Name	Holmes, Rex R.	
Sheet	4	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		CASTELLANOS, A., et al., "Pacemaker-Induced Cardiac Rhythm Disturbances," <i>Annals of New York Academy of Sciences</i> , Vol. 167, No. 2, Oct. 1969, pp. 903-10.	
		CASTELLANOS, A, et al., "Pacemaker Vectorcardiography," <i>Am. Heart J.</i> , Vol. 75, No. 1, January 1968, pp. 6-18.	
		CASTELLANOS, A, et al., "Pacing in Acute Myocardial Infarction: A Programmed Introduction," <i>CHEST</i> , Vol. 58, No. 2, August 1970, pp. 152-63.	
		CASTELLANOS, A, et al., "Preliminary Studies With an Implantable Multimodal A-V Pacemaker for Reciprocating Atrioventricular Tachycardias," <i>PACE</i> , Vol. 3, No. 3, May 1980, pp. 257-65.	
		CASTELLANOS, A, et al., "Repetitive Firing Occurring During Synchronized Electrical Stimulation of the Heart," <i>J. of Thoracic Cardiovascular Surgery</i> , Vol. 51, No. 3, March 1966, pp. 334-40.	
		CASTELLANOS, A, et al., "Sextapolar Catheter Electrode for Temporary Sequential Atrioventricular Pacing," <i>Cardiovascular Research</i> , Vol. 8, No. 5, September 1974, pp. 712-14.	
		CASTELLANOS, A, et al., "Significance of Multiple Responses Produced by Electrical Depolarization of the Heart," <i>Acta Cardiologica</i> , Vol. 21, No. 2, 1966, pp. 157-66.	
		CASTELLANOS, A., et al., "Simultaneous Biventricular Stimulation for Ventricular Arrhythmias," <i>Am. J. Cardiol.</i> , Vol. 88, November 15, 2001, pp. 1217-18.	
		CASTELLANOS, A, et al., "A Study of Arrival of Excitation at Selected Ventricular Sites during Human Bundle Branch Block Using Close Bipolar Catheter Electrodes," <i>CHEST</i> , Vol. 63 No. 2, February 1973, pp. 208-13.	
		CASTELLANOS, A, et al., "St-qR Pattern: New Sign for Diagnosis of Anterior Myocardial Infarction During Right Ventricular Pacing," <i>Br. Heart J.</i> , Vol. 35, October 1973, pp. 1161-65.	
		CASTELLANOS, A, et al., "The Use of the Demand Pacemaker in Auriculo-Ventricular Conduction Disturbances," <i>J. of Cardiovascular Surgery</i> , Vol. 7, No. 2, March-April 1966, pp. 92-96.	
		CASTELLANOS, A, et al., "Ventricular-triggered Pacemaker Arrhythmias," <i>Brit. Heart J.</i> , Vol. 31, 1969, pp. 546-52.	
		CASTELLANOS, A, et al., "The Wedensky Effect in the Human Heart," <i>Brit. Heart J.</i> , Vol. 28, 1966, pp. 276-83.	
		CASTILLO, C, et al., "Bifocal Demand Pacing," <i>CHEST</i> , Vol. 59, No. 4, April 1971, pp. 360-64.	
		CAZEAU S, et al., "Effects of Multisite Biventricular Pacing in Patients With Heart Failure and Intraventricular Conduction Delay," <i>N. Engl. J. Med.</i> , Vol. 344, 2001, pp.: 873-80.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/654,959	
			Filing Date	September 5, 2003	
			First Named Inventor	Morton M. Mower	
			Art Unit	3762	
			Examiner Name	Holmes, Rex R.	
Sheet	5	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		CHAMORRO et al., "Ejection VAVE; EF and Phase Histogram to Evaluate a Correct Programation of AV Delay in DDD Pacemakers," <i>European Journal of Nuclear Medicine</i> , Vol. 8, No. 5, pp. A 36 (1983).	
		CHAMORRO, JL, et. al., "Quantification of Experimental Myocardial Infarction with 99TcGlucogeptonate," <i>European Journal of Nuclear Medicine</i> , Vol. 8, No. 5, 1983, Abstract P104.	
		D'AIUTOLO, R, and Posse, R, Tratamiento de Las Arritmias Cardiacas, Buenos Aires 1968 and English-language translation of Chapter 10.	Yes
		DE TERESA, E., Grandes Temas de la Medicina: Marcapasos, Nueva Lente, Madrid 1987.	No
		DREIFUS, L, et al., "Effects of AV Sequential Versus Asynchronous AV Pacing on Pulmonary Hemodynamics," <i>PACE</i> , Vol. 9, No. 2, March-April 1986, pp. 171-77.	
		ELLENBOGEN KA, et al., Clinical Cardiac Pacing and Defibrillation, 2nd Edition, Philadelphia, W.B. Saunders Co., 2000.	
		ELMQVIST, R, et al., "An Implantable Pacemaker for the Heart," Medical Electronics: Proceedings of the Second International Conference on Medical Electronics, Smyth, CN, ed., June 1959, London, UK, Iliffe & Sons; pp. 253-54.	
		ESCHER, DJW, "Historical Aspects of Cardiac Pacing," Cardiac Pacing (2 nd Ed.), Samet, P, et al., eds., New York, Grune & Stratton, 1979, pp. 631-43.	
		ETIENNE, Y, et al., "Evaluation of Left Ventricular Based Pacing in Patients With Congestive Heart Failure and Atrial Fibrillation," <i>Am. J. Cardiol.</i> , Vol. 83, 1999, pp. 1138-40.	
		FIELDS, J, et al., "Surgical Experience With Temporary and Permanent A-V Sequential Demand Pacing," <i>J. of Thoracic and Cardiovascular Surgery</i> , Vol. 66, No. 6, December 1973, pp. 865-77.	
		FLETCHER, FW, et al., "Effect of Pacemaker Location on Cardiac Function in Complete Heart Block," <i>Am. J. Physiol.</i> , 1963; 205:1232-34.	
		GABRIELLE, O. F., "Pacing Via Coronary Sinus," <i>N. Engl. J. Med.</i> , Vol. 280, No. 4, 1969, p. 219.	
		GREENBERG, et al., "Coronary Sinus Pacing: Clinical Follow-up," <i>Circulation</i> , Vol. 57, No. 1, Jan. 1978, pp. 98-103.	
		HAYES, D., "Pacemakers" in Comprehensive Cardiovascular Medicine, EJ Topol, ed., Philadelphia, Lippincott-Raven Publishers, 1998, pp. 2099-132.	
		HIGGINS SL, et al. "Cardiac Resynchronization Therapy for the Treatment of Heart Failure in patients With Intraventricular Conduction Delay and Malignant Ventricular Tachyarrhythmias," <i>J. Am. Coll. Cardiol.</i> , Vo. 42, No. 8, 2003, pp. 1454-59.	

IDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/654,959
				Filing Date	September 5, 2003
				First Named Inventor	Morton M. Mower
				Art Unit	3762
				Examiner Name	Holmes, Rex R.
Sheet	6	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS					
		HOLMES, DR, et al., "Pacemaker Implantation Techniques," in Electrical Therapy for Cardiac Arrhythmias, Saksena, S, et al., eds., Philadelphia, WB Saunders Co., 1990, pp. 173-90.			
		KASS DA, et al., "Improved Left Ventricular mechanics From Acute VDD Pacing in Patients With Dilated Cardiomyopathy and Ventricular Conduction Delay," <i>Circulation</i> , Vol. 99, No. 12, March 1999, pp. 1567-73.			
		KASTOR, J, et al., "Variations in Discharge Rate of Demand Pacemakers Not Due to Malfunction," <i>Am. J. of Cardiology</i> , Vol. 25, No. 3, March 1970, pp. 344-48.			
		KELLER, J. Walter, "Atrial and Ventricular Synchrony: The Engineering-Physiology Interface," <i>Annals of the New York Academy of Sciences</i> , Vol. 167, 1969, pp. 869-85.			
		KRAMER, D. H et al., "Permanent Pervenous Atrial Pacing from the Coronary Vein," <i>Circulation</i> , Vol. 42, 1970, pp. 427-36.			
		LECLERCQ C, et al., "Acute Hemodynamic Effects of Biventricular DDD Pacing in Patients With End-Stage Heart Failure," <i>J. Am. Coll. Cardiol.</i> , Vol. 32, No. 7, Dec. 1998, pp. 1825-31.			
		LEMBERG, L, et al., "Demand and Bifocal Demand Pacing," <i>Singapore Med. J.</i> , Vol. 14, No. 3, September 1973, pp. 222.			
		LEMBERG, L, et al., "Pacemaking on Demand in AV Block," <i>JAMA</i> , Vol. 191, No. 1, Jan. 1965, pp. 106-08.			
		LEMBERG, L, et al., "Systolic and Diastolic Pacemaker Induced Repetitive Firing in the Human Heart: Analysis of 23 Cases," <i>J. Electrocardiology</i> , Vol. 2 No. 4, October 1969, pp. 353-62.			
		LOWN, B, et al., "Comparison of Alternating Current with Direct Current Electroschock Across the Closed Chest," <i>Am. J. of Cardiology</i> , August 1962, pp. 223-33.			
		LURIE KL, et al., "Development of Multifunctional Coronary Sinus Catheter," <i>RBM (Revue Europeenne De Technologie Biomedicale)</i> 1994, 16:159-61.			
		MANSOURATII J, et al., "Left Ventricular-based Pacing in Patients With Chronic Heart Failure: Comparison of Acute Hemodynamic Benefits According to Underlying Heart Disease," <i>European Journal of Heart Failure</i> , 2 (2000):195-99.			
		MAYTIN, O, et al., "Diagramatic Representation of Pacemaker Arrhythmias," <i>J. Electrocardiology</i> , Vol. 3, No. 3-4, 1970, pp. 251-57.			
		MEDINA-RAVELL, V, et al., "Management of Tachyarrhythmias With Dual-Chamber Pacemakers," <i>PACE</i> , Vol. 6, No. 2, March-April 1983, Part II, pp. 333-45.			
		MEDINA-RAVELL, V, et al., "Use of Dual-Demand AV Sequential (DVI, MN) Pacemakers in the Management of Supraventricular Tachycardias," <i>Pacemaker Therapy</i> , L. Dreifus ed., 1983, pp. 227-38.			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/654,959	
			Filing Date	September 5, 2003	
			First Named Inventor	Morton M. Mower	
			Art Unit	3762	
			Examiner Name	Holmes, Rex R.	
Sheet	7	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		Medtronic Model 5330 A-V Sequential Demand Pulse Generator, Technical Manual, June 1978.	
		MIYAZAWA, K, et al., "Effects of Varying Pacemaker Sites on Left Ventricular Performance," <i>Tohoku J. exp. Med.</i> , 1976, 120, pp. 301-08.	
		MIYAZAWA, K, et al., "Regional Contraction Patterns of the Left Ventricle during Ventricular Pacing," <i>Tohoku J. exp. Med.</i> 1977, 122; pp. 167-74.	
		MOSS, AJ et al., "Atrial Pacing from the Coronary Vein: Ten-Year Experience in 50 Patients with Implanted Pervenous Pacemakers," <i>Circulation</i> , Vol. 57, No. 1, 1978, pp. 103-06.	
		NELSON, GS, et al. "Left Ventricular or Biventricular Pacing Improves Cardiac Function at Diminished Energy Cost in Patients With Dilated Cardiomyopathy and Left Bundle-Branch Block," <i>Circulation</i> , Vol. 102, 2000, pp. 3053-59	
		OBEL, IWP, Physiological Pacing, Pitman Medical, London, 1979.	
		OGAWA, S, et al., "Hemodynamic Consequences of Atrioventricular and Ventriculoatrial Pacing," <i>PACE</i> , Vol. 1, No. 1, January-April 1978, pp. 8-15.	
		POPOVIC ZB, et al., "Noninvasive Assessment of Cardiac Resynchronization Therapy for Congestive Heart Failure Using Myocardial Strain and Left Ventricular Peak Power as Parameters of Myocardial Synchrony and Function," <i>J Cardiovasc Electrophys.</i> , Vol. 13, No. 12, 2002, pp. 1203-08.	
		PORTILLO, B, et al., "Treatment of Drug Resistant A-V Reciprocating Tachycardias With Multiprogrammable Dual Demand A-V Sequential (DVI, MN) Pacemakers," <i>PACE</i> , Vol. 5, No. 6, 1982, pp. 814-25.	
		PRAUER, H, et al., "Prolonged Electrostimulation of the Heart Through the Coronary Sinus; Report of Two Cases with Position of the Electrode Confirmed by Autopsy," <i>Thoraxchirurgie Vaskulare Chirurgie</i> , 1974, 22, p. 207.	
		Program of the VIIth World Symposium on Cardiac Pacing, Vienna, May 1-5, 1983, in <i>Schrittmacher: German Journal of Cardiac Pacing</i> , April 1983, listing De Teresa et al., "An Even More Physiological Pacing Changing the Sequence of Ventricular Activation."	
		RODRIGUEZ BAILON, I, et al., "Some Data for an Unanswered Question: Choosing the Ventricular Electrode Place," <i>PACE</i> , Vol. 8, No. 3, Part II, May 1985, p. A-11.	
		ROGEL, S, et al., "Atrioventricular Time Sequence and Myocardial Efficiency," <i>Archives Internationales de Physiologie et de Biochimie</i> , 1973, 81, 833-42.	
		ROMERO, L., et al., "Non-Invasive Evaluation of Ventricular Function and Volumes During Atrioventricular Sequential and Ventricular Pacing," <i>PACE</i> , Vol. 7, No. 1, January 1984, pp. 10-17.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/654,959	
			Filing Date	September 5, 2003	
			First Named Inventor	Morton M. Mower	
			Art Unit	3762	
			Examiner Name	Holmes, Rex R.	
Sheet	8	of	9	Attorney Docket Number	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		SILVA et al., "Biventricular Stimulation: A More Physiologic Pacing," 4 th European Symposium on Cardiac Pacing, May 28-31, 1989, Abstract 339, pp. 148.	
		SILVA et al., "Biventricular Stimulation: An Approach to Physiologic Cardiac Stimulation," International Congress of Cardiology, Abstracts, pp. 132 (November 1988).	
		SILVA, "Influencia de la Localizacion de la Estimulacion Electrica Ventricular Sobre la Eficiencia Cardiaca. Estudio Experimental Y Clinico," ["Influence of the Location of the Location of Ventricular Electrical Stimulation on Cardiac Efficiency"], Tesis Doctoral para la Universidad Autonoma De Madrid Facultad de Medicina (Dated 1987) (Spanish with English-Language Translation Attached).	Yes
		Program of <i>International Congress of Cardiology</i> , Marrakesh, Morocco, Nov. 4, 1988, listing SILVA et al., "Biventricular Stimulation: An Approach to Physiologic Cardiac Stimulation."	
		Silva et al., "Epicardial Biventricular Stimulation Mimicking Activation During Sinus Rhythm. Experimental Study" <i>European Heart Journal</i> , Vol. 8, Supp. 2, Sept. 1987, p. 180.	
		SMYTH, et al., "Permanent Pervenuous Atrial AV Synchronous and AV Sequential Pacing," Cardiac Pacing, Thalen, H, ed., Van Gorcum: Assen, Netherlands, 1973, p. 145.	
		STOKES, K, et al., "The Electrode-Biointerface-Stimulation," Modern Cardiac Pacing, Barold, SS, ed., Futura Publishing, 1985, pp. 33-78.	
		SUTTON, R, et al., "The History of Cardiac Pacing," The Foundations of Cardiac Pacing, Futura Publishing, Mt. Kisco, NY, 1991, pp. 319-324.	
		WISH et al., "Optimal Left Atrioventricular Sequence in Dual Chamber Pacing-Limitations of Programmed A-V Interval," <i>JACC</i> , Vol. 3, No. 7, February 1984, p. 507 (Abstract).	
		YOUNG JB, et al; "Combined Cardiac Resynchronization and Implantable Cardioversion Defibrillation in Advanced Chronic Heart Failure: The MIRACLE ICD Trial," <i>JAMA</i> , Vol. 238, No. 20, pp. 2685-94.	
		ZAROFF, L, et al., "An Implantable Demand Pacemaker," <i>The Annals of Thoracic Surgery</i> , Vol. 4, No. 5, November 1967, pp. 463-467.	
		ZOLL, P, "Resuscitation of the Heart in Ventricular Standstill by External Electrical Stimulation," <i>N. Engl. J. Med.</i> , Vol. 247, No. 20, 1952, pp. 768-71.	
		ZUCKERMAN, W, et al., "Clinical Applications of Demand Pacing," <i>Annals of the New York Academy of Sciences</i> , Vol. 167, No. 2, October 30, 1969, pp. 1055-59.	
		ZUCKERMAN, W, et al., "Clinical Experiences With a New Implantable Demand Pacemaker," <i>Am. J. of Cardiology</i> , Vol. 20, August 1967, pp. 232-38.	

JDS Form PTO/SB/08: Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				<i>Application Number</i>	10/654,959
				<i>Filing Date</i>	September 5, 2003
				<i>First Named Inventor</i>	Morton M. Mower
				<i>Art Unit</i>	3762
				<i>Examiner Name</i>	Holmes, Rex R.
Sheet	9	of	9	<i>Attorney Docket Number</i>	06809.0029-00000

NON PATENT LITERATURE DOCUMENTS			
		Communication, mailed July 17, 2006, in European Application No. 04755341.7.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.